



Electronic Service Manuals

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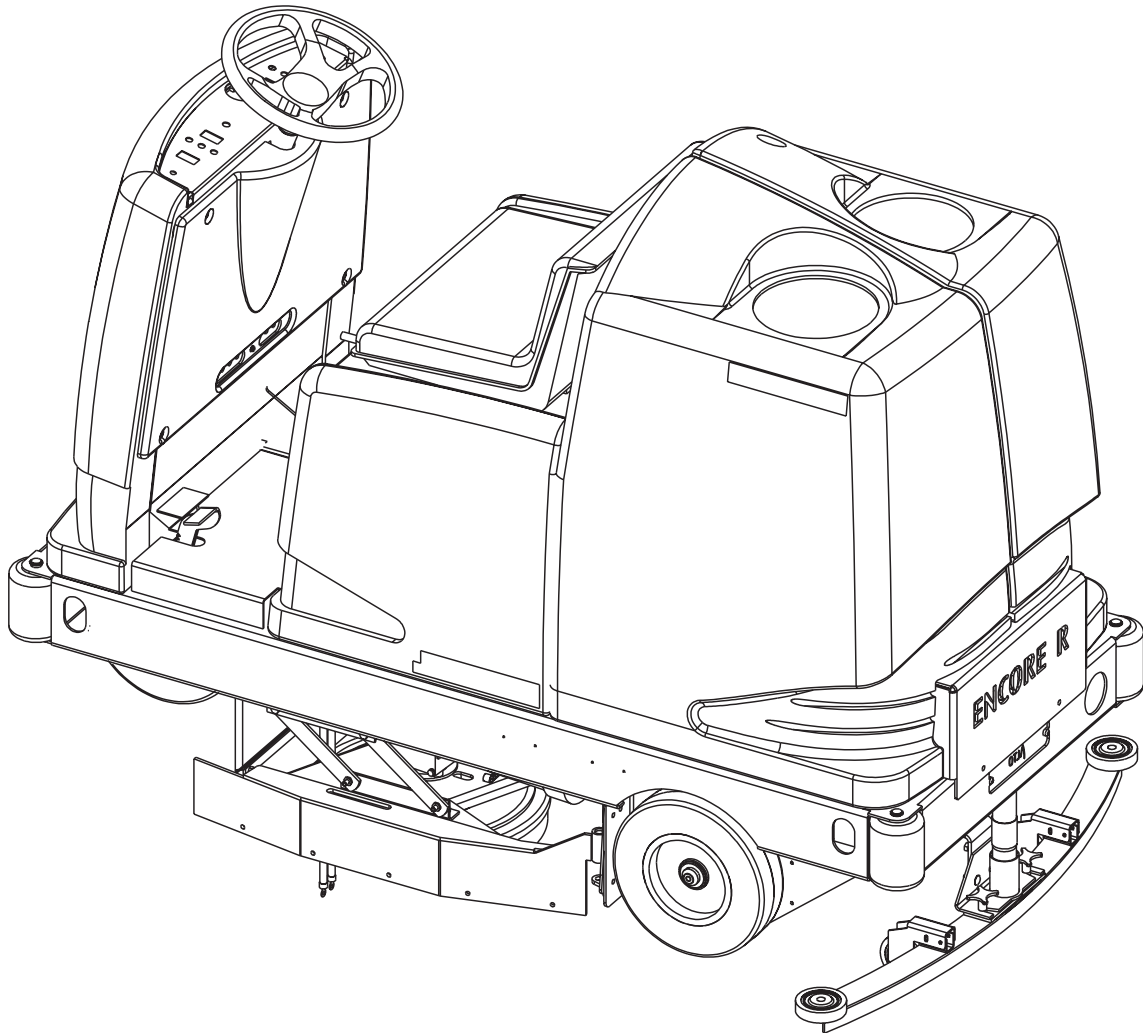
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AMERICAN-LINCOLN TECHNOLOGY



ENCORE R SCRUBBER

ELECTRICAL TROUBLESHOOTING GUIDE

Beginning with Serial No. 178575

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GENERAL STATEMENT

ELECTRICAL SERVICE GUIDE ENCORE R (2) CAUTION STATEMENT

As with all electrical equipment, caution is essential when doing electrical service. Remove all watches, rings and jewelry before proceeding. Take care when doing power checks. Take time needed to place meter leads correctly so as not to short to nearby terminals and/or electrical connections. Do not forget to disconnect power at the battery when doing continuity checks or damage to your test meter may result. All Electrical service should be done by a qualified technician experienced in DC voltage and DC testing equipment.

GENERAL STATEMENT

The following guide will present each electrical circuit separately, not including options, unless they are in electrical series with the standard machine.

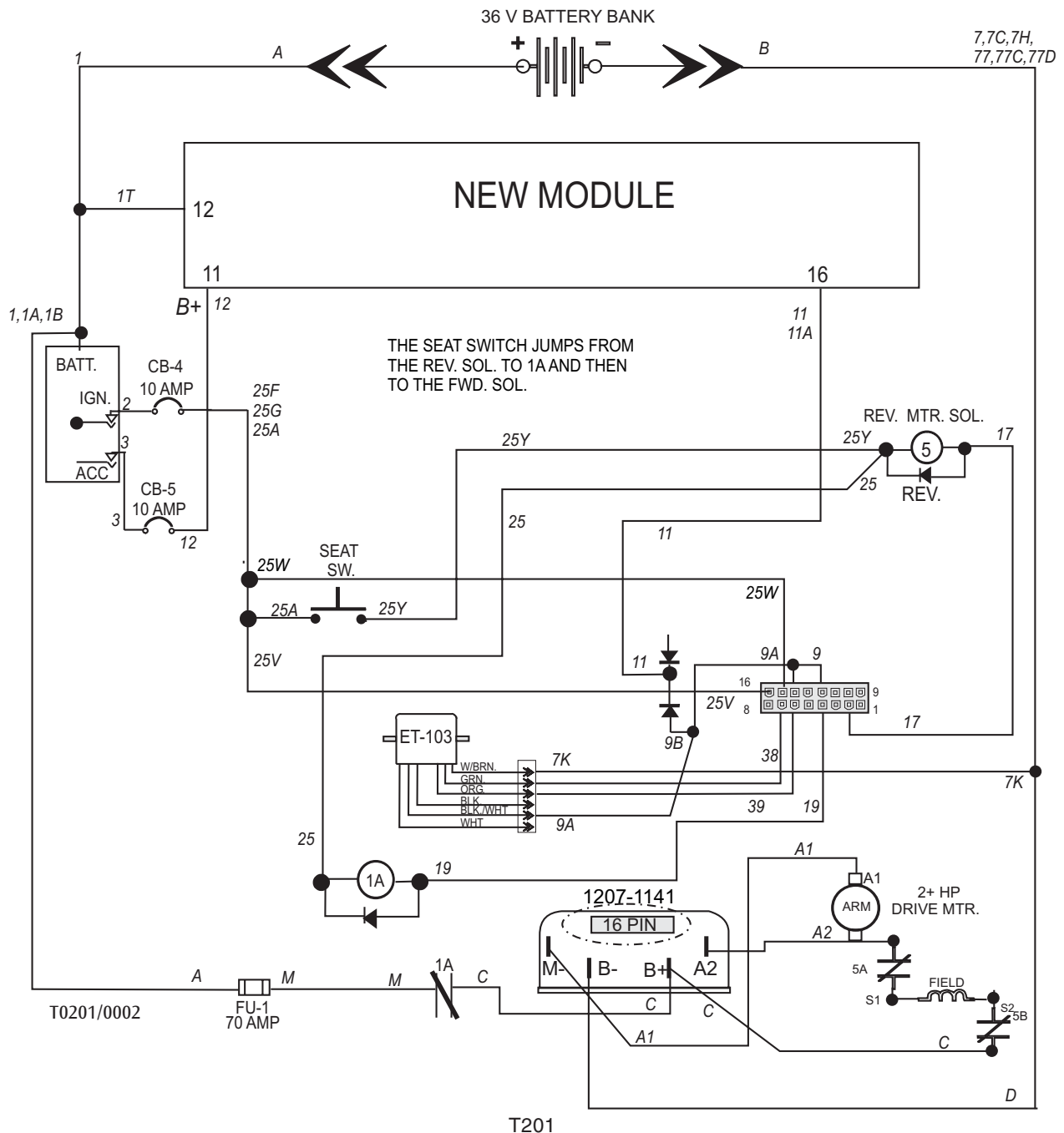
1. "Power Off" means key switch is turned off.
2. "Power Disconnect" means battery unplugged from the machine.
3. All voltages are taken with the battery plugged in and the key switch on unless noted otherwise.
4. All voltage readings are taken with the meter (-) lead connected to the battery (-) or the (-) side of the condition meter unless otherwise specified.
5. All continuity readings are taken with the key switch off and the battery disconnected.

DRIVE MOTOR REVERSE

DRIVE MOTOR REVERSE

Conditions necessary for circuit to work

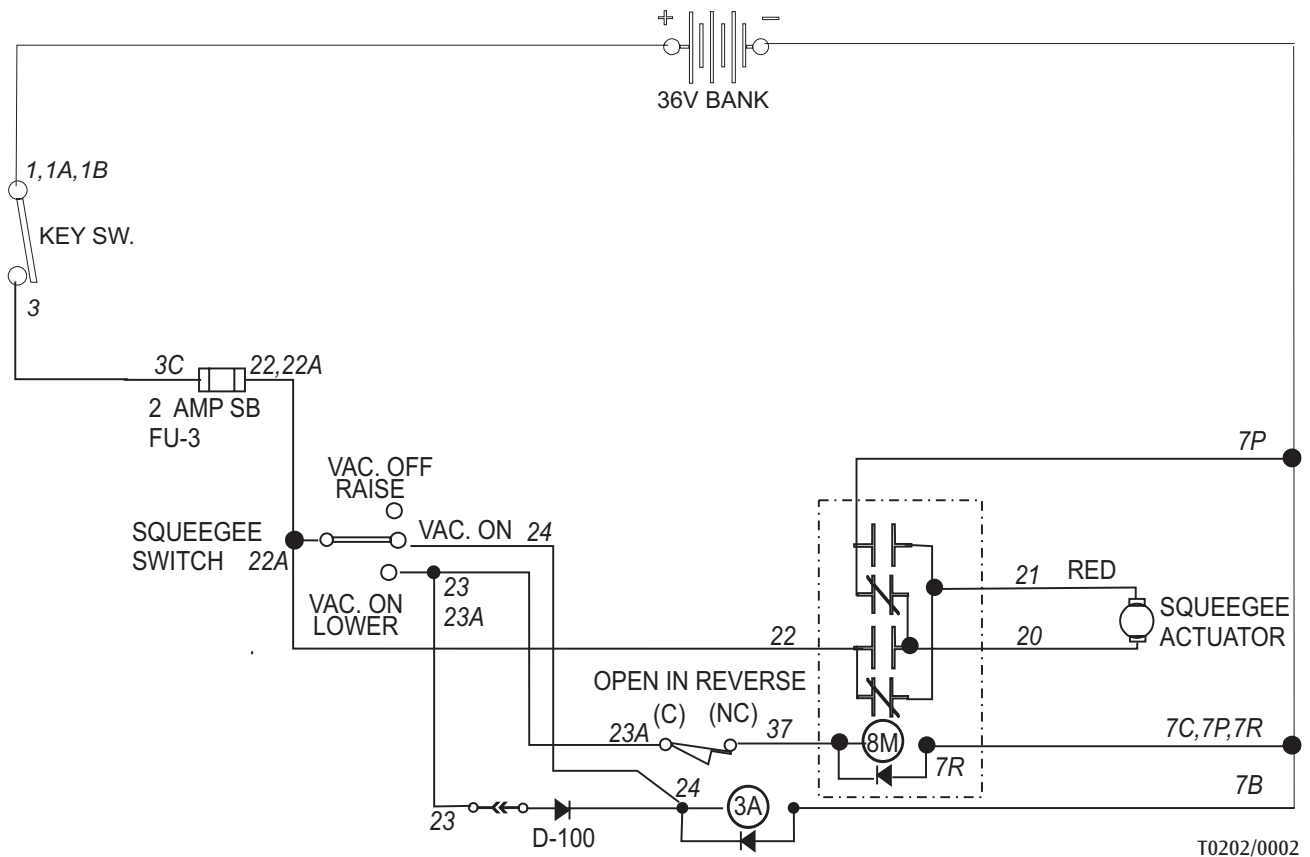
1. Battery voltage 36VDC
2. Key switch on
3. CB-4&5, FU1 closed
4. 4 - Solenoids 1A & 5 closed
5. Seat switch closed



SQUEEGEE CIRCUIT

Conditions necessary for circuit to work.

1. Battery voltage
2. Key switch on
3. FU-3 closed
4. Rev. Switch closed



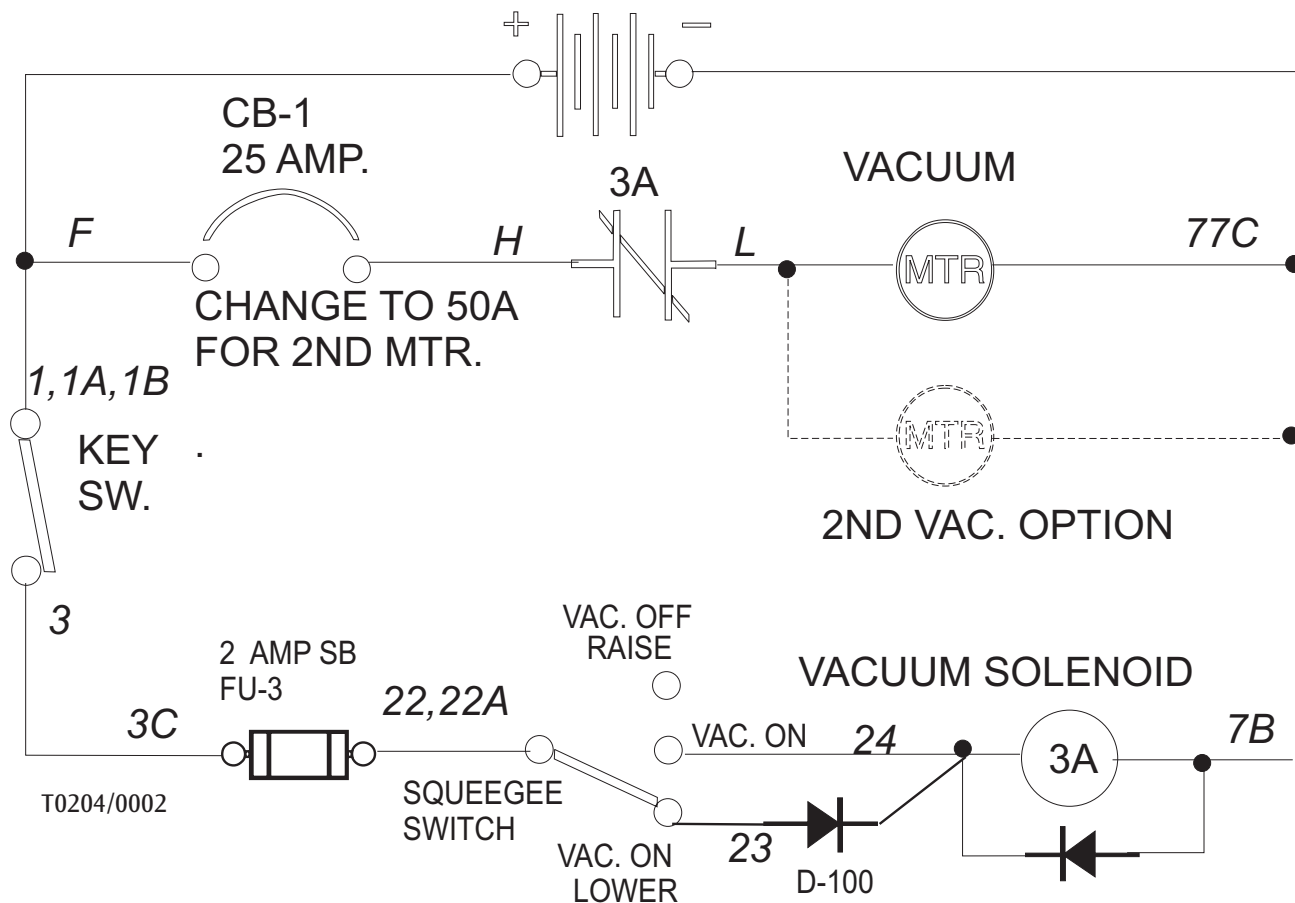
T202

VACUUM CIRCUIT

VACUUM CIRCUIT

Conditions necessary for vacuum circuit to operate

1. Battery voltage
2. Key switch on
3. Squeegee switch in middle or lower position
4. FU-3 & CB-1 closed
5. Solenoid 3A closed

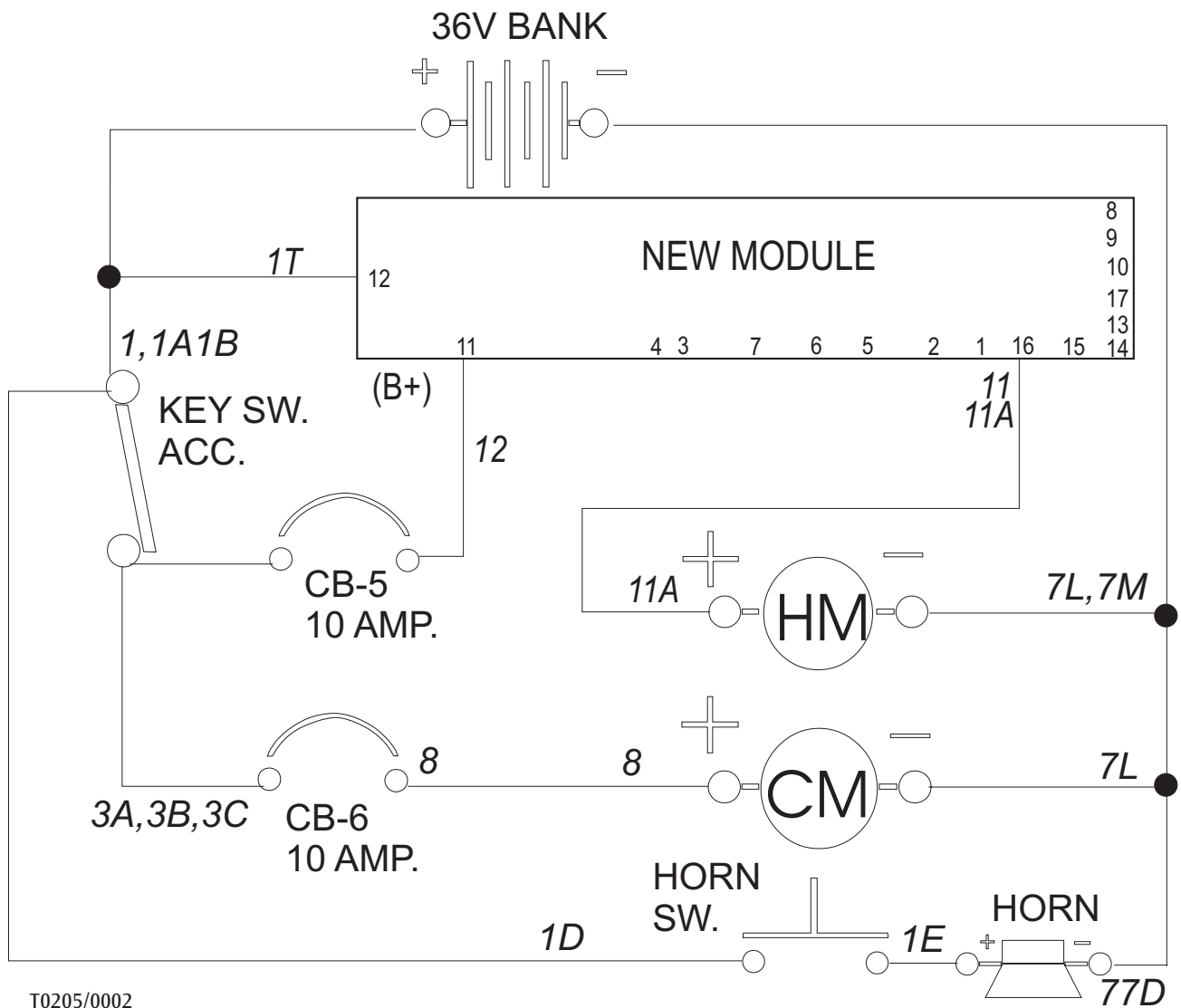


T204

HORN, HOUR AND CONDITION METER CIRCUITS

Conditions necessary for circuits to work:

1. Battery voltage
2. Key switch on
3. CB-5&6 closed
4. Horn button depressed (for horn only)
5. Seat switch closed for hour meter to work



T0205/0002

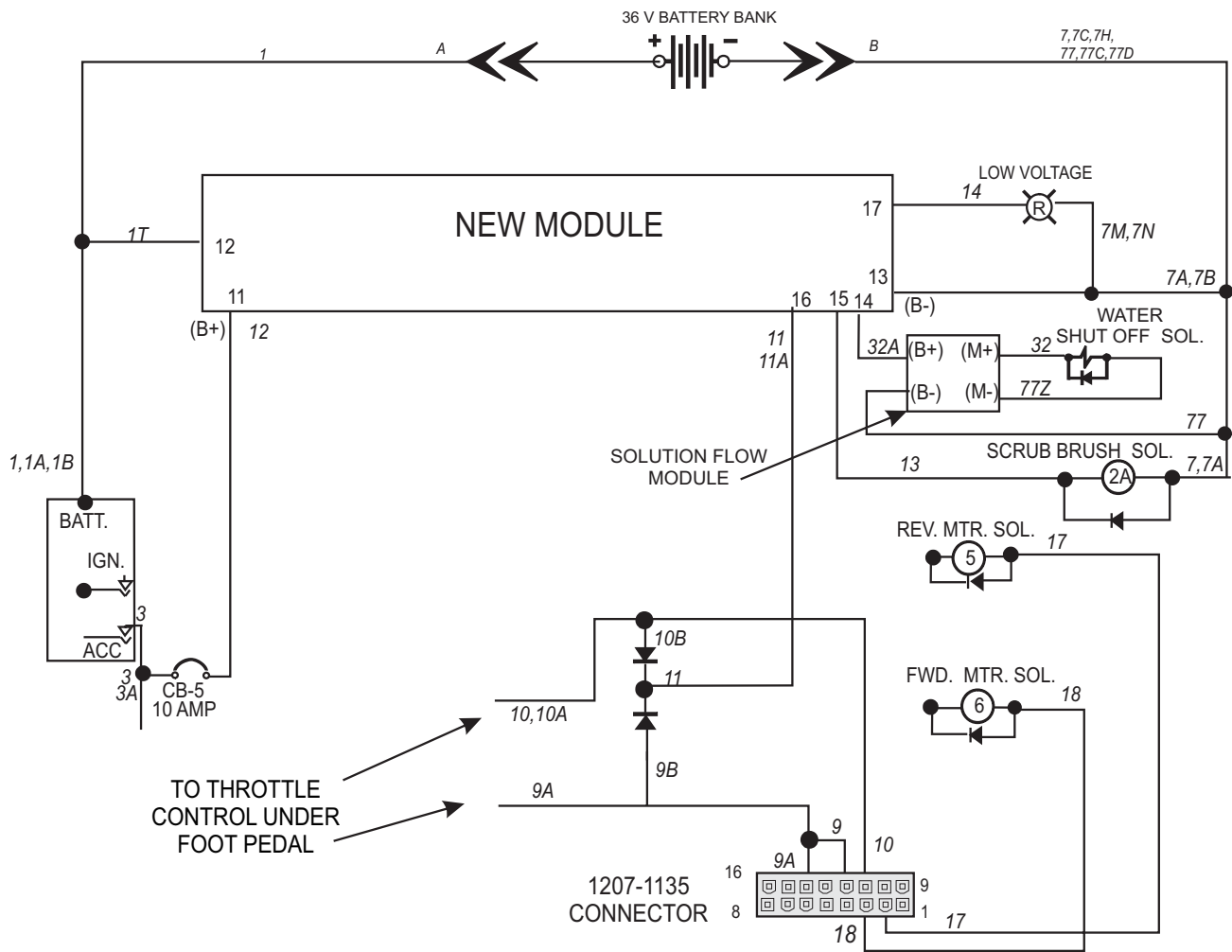
T205

LOW BATTERY SHUT DOWN CIRCUIT

LOW BATTERY SHUT DOWN CIRCUIT

Conditions necessary for circuit to work

1. Battery voltage
2. Key switch on
3. CB-5 closed
4. Solenoid 2A opens with battery voltage 31.5(CCV) for more then 60 seconds. Water shut off solenoid off with battery volt age 31.5(CCV) for more then 60 seconds.
5. Items 4 and 5 can be re -set by turning key off for about 3-5 seconds, then back on.



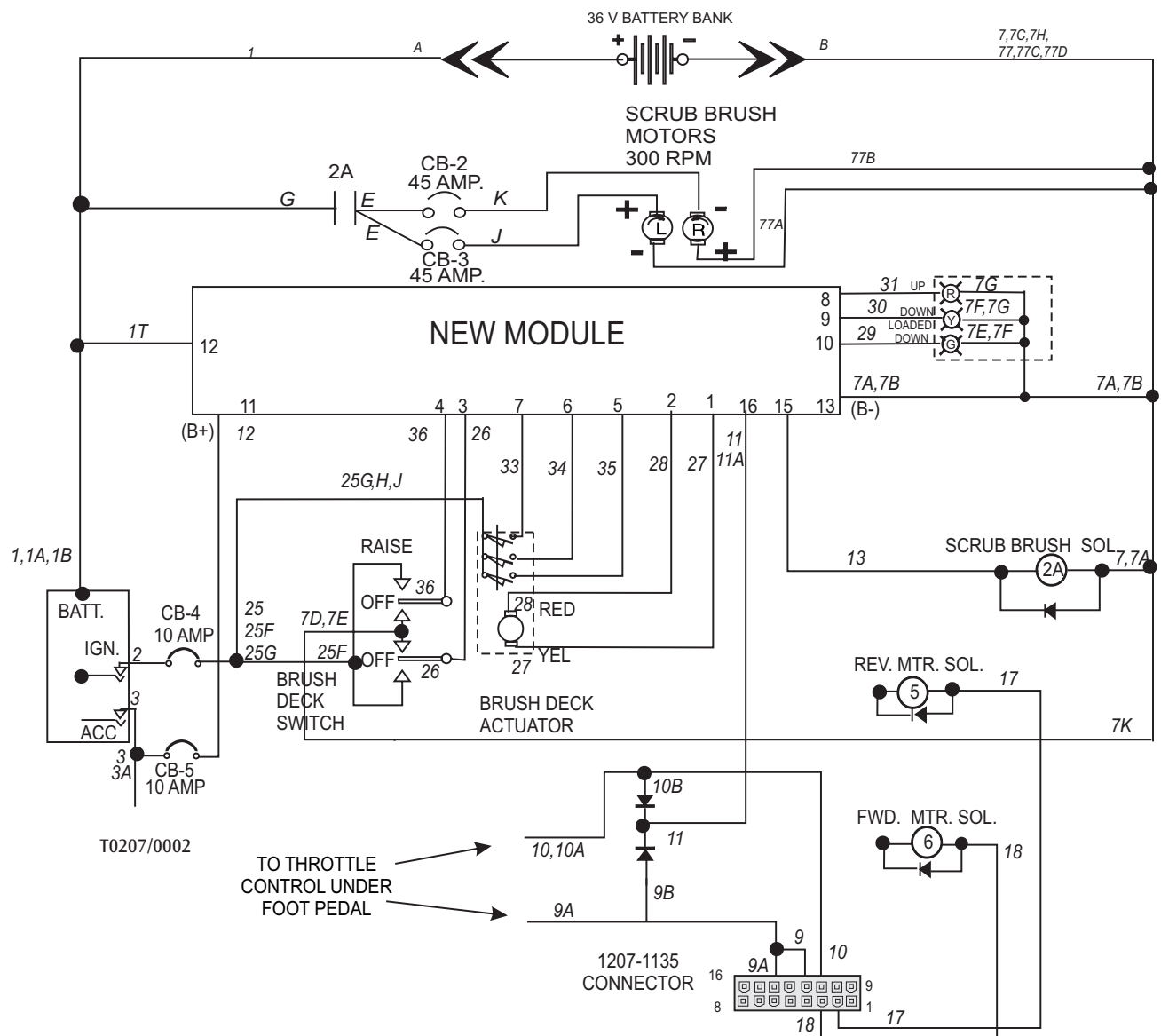
T0206/0002

T206

SCRUB BRUSHES CIRCUIT

Conditions necessary for circuit to work

1. Battery voltage
2. Key switch on
3. CB-4&5 closed
4. Solenoid 5 closed in rev.
5. Solenoid 6 closed in forward.
6. Solenoid 2A closed when not in neutral and brushes down with battery voltage above 31.5(CCV)
7. Seat switch closed



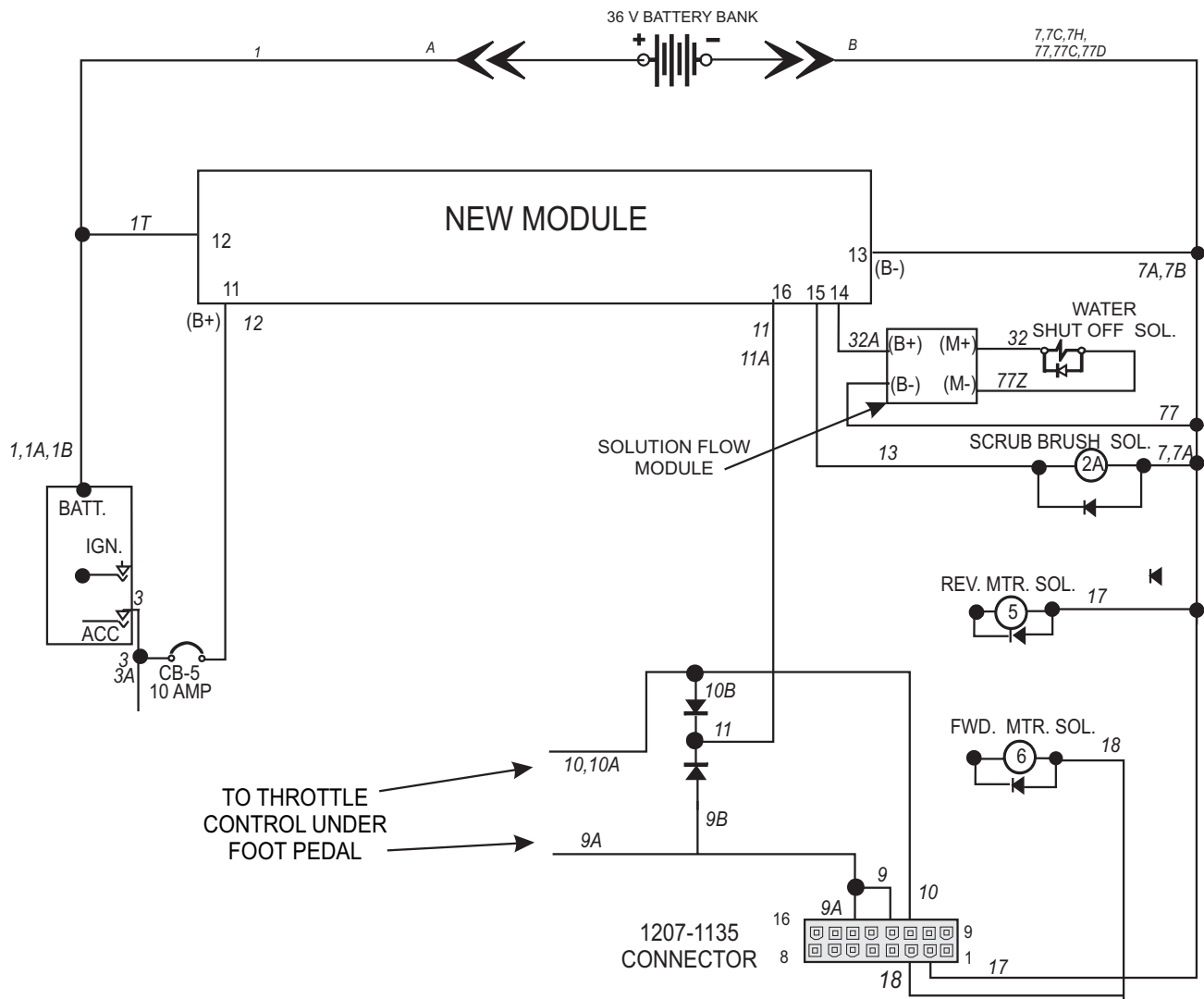
T207

BRUSHES AND SOLUTION OFF IN NEUTRAL CIRCUIT

BRUSHES AND SOLUTION OFF IN NEUTRAL CIRCUIT

Conditions necessary for circuit to work

1. Battery voltage
2. Key switch on
3. CB-5 closed
4. Solenoid 2A opens with foot pedal in neutral and no voltage on pin #9 (wire11)
5. Water shut off solenoid off with foot pedal in neutral and no voltage on pin #9 (wire11) or knob on solution flow module is turned full clockwise.



T0208/0002

T208

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NOTES
